

REC'D 0 5 JUL 2004

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER ACTION	11000000
PCT 21163 International application No.	International filing date (day/mu	nonth/year) Priority date (day/month/year)
miernational application 140.		
PCT/US03/28033	08 September 2003 (08.09.2003	
International Patent Classification (IPC)	or national classification and if C	~
IPC(7): C07D 495/04 and US Cl.: 546/	114	
Applicant		
MERCH & CO., INC.		
mat I and im	nary examination report has be is transmitted to the applicant	been prepared by this International Preliminary at according to Article 36.
1	f a total of $\frac{\mathcal{L}}{+}$ sheets, including	
		i.e., sheets of the description, claims and/or drawings his report and/or sheets containing rectifications made n 607 of the Administrative Instructions under the PCT).
These annexes consist of		EPO-DG1
3. This report contains indi	cations relating to the following	ing items: 0 4. 08. 2004
I Basis of the re	eport	(103)
II Priority		
III Non-establish	ment of report with regard to	novelty, inventive step and industrial applicability
IV Lack of unity	of invention	•
V Reasoned star	ement under Article 35(2) with citations and explanations sup-	ith regard to novelty, inventive step or industrial poorting such statement
VI Certain docu		
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ts in the international applicati	tion
VIII Certain obser	rvations on the international ap	pplication
Date of submission of the demand		Date of completion of this report
12 April 2004 (12.04.2004)	j,	21 May 2004 (21.05.2004)
Name and mailing address of the IPI	A/US A	Authorized officer (
Mail Stop PCT, Attn: IPBA/U	s	Authorized officer N. Mit Municipal Your York Landerson Reperca L. Anderson
Commissioner for Patents P.O. Box 1450	¹	700000 = 1 = 1 = 1 = 1 = 1 = 1
Alexandria, Virginia 22313-14	150	Telephone No. (703) 308-1235
Pacsimile No. (703)305-3230	1 1009)	

Best Available Copy



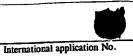
INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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International application No.	
PCT/US03/28033	

T.	Rasis	of the report
		regard to the elements of the international application:
1.		the international application as originally filed.
	\bowtie	the description:
		pages 1.30 as originally filed
		pages NONE filed with the demand
		pages NONE , filed with the letter of
	\square	the claims:
		an an aniainally filed
		as amended (together with any statement) under Article 19
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
		the drawings:
		pages NONE , as originally filed
		pages NONE , filed with the demand pages NONE , filed with the letter of
		• •
1		the sequence listing part of the description:
l		pages NONE , as originally filed
		pages NONE, filed with the demand pages NONE, filed with the letter of
l.		the standard marked shove were available of furnished to due Authority in the
1		
l	The	guage in which the international application was little, during the following language which is:
١		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
	누	the language of a dansation of the international application (under Rule 48.3(b)).
1	<u> </u> _	the language of publication of the international preliminary examination (under Rules the language of the translation furnished for the purposes of international preliminary examination (under Rules
1	ᆫ	the language of the translation nurnished for the purposes of international provider
1		55.2 and/or 55.3). ith regard to any nucleotide and/or amino acid sequence disclosed in the international application, the
Ì	3. W	ith regard to any nucleotine and/or animo actu sequence discount the sequence listing: ernational preliminary examination was carried out on the basis of the sequence listing:
1	100	
١	ᆫ	contained in the international application in printed form.
	L	filed together with the international application in computer readable form.
-	L	furnished subsequently to this Authority in written form.
1		furnished subsequently to this Authority in computer readable form.
١	Γ	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
	L-	international application as filed has been furnished.
1	Γ.	The statement that the information recorded in computer readable form is identical to the written sequence listing
Į		has been furnished.
-	4. 「	The amendments have resulted in the cancellation of:
i	4. L	-
		the description, pages NONE
		the claims, Nos. NONE
		the drawings, sheets/fig NONE
	5.	This capacit has been established as if (some of) the amendments had not been made, since they have been considered to go
	-	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		placement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are 1941.
	** A	report as "originally filed" and are not annexed to that report stated to under Item 1 and annexed to this report. ny replacement sheet containing such amendments must be referred to under Item 1 and annexed to this report.

Form PCT/IPEA/409 (Box I) (July 1998)





INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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III No	n-establishment of opinion with regard to novelty, inventive step and industrial applicability
	question whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or industrially applicable have not been and will not be examined in respect of:
	the entire international application,
$\overline{\boxtimes}$	claims Nos. <u>1-10 and 12-15</u>
becau	1
	the said international application, or the said claim Nos relate to the following subject matter which does not require international preliminary examination (specify):
}	
	·
	the description, claims or drawings (indicate particular elements below) or said claims Nos are so unclear that no meaningful opinion could be formed (specify):
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.
×	
2. A	meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid equence listing to comply with the standard provided for in Annex C of the Administrative Instructions:
	the written form has not been furnished or does not comply with the standard.
	the computer readable form has not been furnished or does not comply with the standard.
Form	PCT/IPEA/409 (Box III) (July 1998)





INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/28033

T 1 CC 01-10		
Reasoned statement under Rule 66.2(a)(i) with regard to novelty, inventive step	or industrial applicability;
citations and explanations supporting su	n statement	
STATEMENT		1770
Novelty (N)	Claims 11	370
•	Claims NONE	NO
	Claims 11	YES
Inventive Step (IS)	Claims 11 Claims NONE	NO NO
	Ciamo Moras	
Industrial Applicability (IA)	Claims 11	YES
	Claims NONE	NO
C. CITATIONS AND EXPLANATIONS Claim 11 meets the criteria set out in PCT Article 2-{(2-ethylbutanoyl)amino}-5,6-dihydrothieno[2,3-4) pyridin-2-yl)-2-ethylbutanamide; N-(3-cyano-7-ir chloro-1,1'-biphenyl-4-yl)methyl]-3-cyano-4,5,6,7 henoxybetzyl)-4,5,6,7-tetrahydrothieno[2,3-e]pyr tetrahydrothieno[2,3-e]pyridin-2-yl]-2-ethylbutanamyl]-2-ethylbutanamide. Claim 11 meets the criteria set out in PCT Article be made or used in industry.	oppripyl-4,5,6,7-tetrahydrothieno[2,3-b]pyridin- tetrahydrothieno[2,3-c]pyridin-2-yl}-2-ethylbu idin-2-yl]-2-ethylbutanamide; N-{6-[4-(4-chlor nide or N-[3-cyano-6-(3-phenoxybenzyl)-4,5,6	-2-yi)-2-ethylbutanamide; N-{6-[(4'-tanamide; N-[3-cyano-6-{4-phenoxy)benzyi]-3-cyano-4,5,6,7-,7-tetrahydrothieno[2,3-c]pyridin-2-

Form PCT/IPEA/409 (Box V) (July 1998)